507415457 08/01/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7462385

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|----------------------------------|----------------|
| NATURE OF CONVEYANCE: ASSIGNMENT | |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------------------|----------------|
| TOYOTA JIDOSHA KABUSHIKI KAISHA | 06/17/2022 |

RECEIVING PARTY DATA

| Name: | DENSO CORPORATION | |
|-----------------|-------------------------|--|
| Street Address: | 1-1, SHOWA-CHO | |
| City: | KARIYA-CITY, AICHI-PREF | |
| State/Country: | JAPAN | |
| Postal Code: | 448-8661 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16794684 |

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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| ATTORNEY DOCKET NUMBER: | Q253165 | |
|----------------------------|--|--|
| NAME OF SUBMITTER: | OF SUBMITTER: GUDRUN HARMON ASST. TO WILLIAM H. MANDIR | |
| SIGNATURE: /GUDRUN HARMON/ | | |
| DATE SIGNED: | 08/01/2022 | |

Total Attachments: 2

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PATENT 507415457 REEL: 061042 FRAME: 0368

Assignment - SCHEDULED Applications

Whereas, TOYOTA JIDOSHA KABUSHIKI KAISHA, a Corporation, having a place of business at 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan, herein called Assignor, is the owner of record of a 100% right, title and interest in the U.S. Patent Application listed in the attached Appendix (hereinafter the "Assigned Applications") by one or more of (1) an assignment executed by the inventor(s) and recorded with the USPTO, (2) by assignment of another company and recorded with the USPTO, (3) by name change recorded with the USPTO and (4) by merger recorded with the USPTO; and

Whereas, DENSO CORPORATION, a Corporation, having a place of business at 1-1, Showa-cho, Kariya-city, Aichi-pref, 448-8661 JAPAN, hereinafter called Assignee, desires to acquire the Assignor's entire right, title, and interest in and to said Assigned Application, and the invention disclosed therein;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged.

The above named Assignor, hereby sells, assigns and transfers to the above named Assignee, its successors and assigns, the Assignor's entire right, title and interest in the Assigned Application, and the invention disclosed therein for the United States of America, and the right to sue for past damages; and Assignor will execute without further consideration all papers deemed necessary by the Assignee in connection with said Assigned Application when called upon to do so by the Assignee.

IN WITNESS WHEREOF, TOYOTA JIDOSHA KABUSHIKI KAISHA has executed this Assignment by proper persons duly authorized.

TOYOTA JIDOSHA KABUSHIKI KAISHA

| Date | Jun 1944, 2002 | | |
|------|---------------------------------|--|--|
| | y nasto 4 | | |
| | Name of Person Signing: Naoki V | MAMURO | |
| | General N | Aanager, Vehicle Technology IP Dept. al Property Div. | |

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C., §261)

PATENT REEL: 061042 FRAME: 0369

Appendix

1. U.S. Application No.: 16/794,684

PATENT REEL: 061042 FRAME: 0370

RECORDED: 08/01/2022